

Patent Claims:

1 – 11 (canceled)

12. (new) A method for monitoring a technical installation, comprising:
acquiring a human physiological reaction of a human during an inspection tour of a portion of the technical installation,
whereby human perception and/or sight is analysed to determine the condition of the portion of the technical installation.

13. (new) The method according to Claim 12, wherein the said human physiological reaction includes a neuritic current and changes in the neuritic current, and blood pressure and changes in blood pressure, pulse rate and changes in pulse rate, pulse strength and changes in pulse strength, galvanic skin reflex and changes in galvanic skin reflex, and breathing patterns.

14. (new) The method according to Claim 12, wherein a camera device is used to record the human's sight including changes in said human's directions of sight

15. (new) The method according to Claim 12, wherein the human is equipped with a sensor device to acquire the human's physiological reaction.

16. (new) The method according to Claim 12, further comprising storing the human's physiological reaction in a database and the database representing a history of the human's physiological reaction.

17. (new) The method according to Claim 12, further comprising an assignment of the acquired human physiological reaction at a failure, a process disturbance, and a normal operation of a component in the technical installation.

18. (new) An apparatus for a diagnosis of a technical installation, comprising:
a sensor device; and
a human physiological reaction,

wherein the sensor device acquires the human physiological reaction of a human during an inspection tour of the human around a portion of the technical installation and the human perception and/or sight is analysed to determine a condition of the portion of the technical installation.

19. (new) The apparatus according to Claim 18, wherein the human physiological reaction includes a neuritic current and changes in the neuritic current, blood pressure and changes in blood pressure, pulse rate and changes in pulse rate, pulse strength and changes in pulse strength, galvanic skin reflex and changes in galvanic skin reflex, and breathing patterns.

20. (new) The apparatus according to Claim 18, further comprising a camera device to record the human's sight and changes of said human's directions of sight.

21. (new) The apparatus according to Claim 18, further comprising a database for storing the human physiological reaction with the database representing a history of the human's physiological reaction.

22. (new) The apparatus according to Claim 18, wherein the acquired human physiological reaction is assigned a failure, process disturbance, and normal operation of a component of the technical installation.